

PATENT

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Applicant(s) : Ward et al. Group Art Unit : 183  
Serial No. : 07/130,097 Examiner : L. Crane  
Filed : December 7, 1987  
For : MODIFIED NUCLEOTIDES AND METHODS  
OF PREPARING AND USING SAME

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

RECEIVED GROUP 180

OCT 07 1991

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97 Applicants  
submit this Supplemental Information Disclosure Statement.  
Pursuant to 37 C.F.R. § 1.98 a copy of the references discussed  
herein accompany this statement.

In accordance with M.P.E.P. § 609, Applicants also  
submit herewith form PTO-1449 listing the references discussed in  
this statement.

This statement contains the references cited and  
discussed in Applicants' Amendment dated August 26, 1991.

1. U.S. Patent No. 4,067,774

U.S. Patent No. 4,067,774, filed September 13, 1976, discloses a biological assay method for determining the presence of a specific organic material by employing a modified enzyme for amplification. By employing receptors specific for one or a group of materials (referred to as "ligands") and binding an enzyme to the ligand or ligand counterfeit to provide an "enzyme-bound-ligand", a method is provided for assaying for ligands.

Ligands are disclosed generally and specifically in columns 7 to 29.

2. British Patent Specification 1,564,578

British Patent Specification 1,564,578, published April 10, 1980, relates to the quantitative determination of substances in liquid media, including body fluids such as serum, based on specific binding assay techniques. In particular, the specification is directed to the detection of antigens or haptens based on immunoassay techniques involving the use of labeled reagents, such as radiolabeled reagents.

Ligands are disclosed generally and specifically in the paragraph spanning pages 5-6 of the specification.

3. Lubert Stryer, Biochemistry, 3rd. Ed., c. 1975, 1981, 1988.

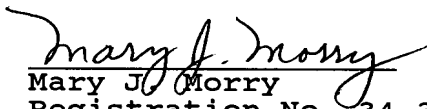
Page 184 of the textbook, under the section entitled "Formation of an Enzyme-Substrate Complex is the First Step in

Enzymatic Catalysis", relates generally to enzymes and substrates of enzymes.

Respectfully submitted,

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